

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P323190

Luminaire Tested: **GAN-SA6A-740-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323190
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-740-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23087 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

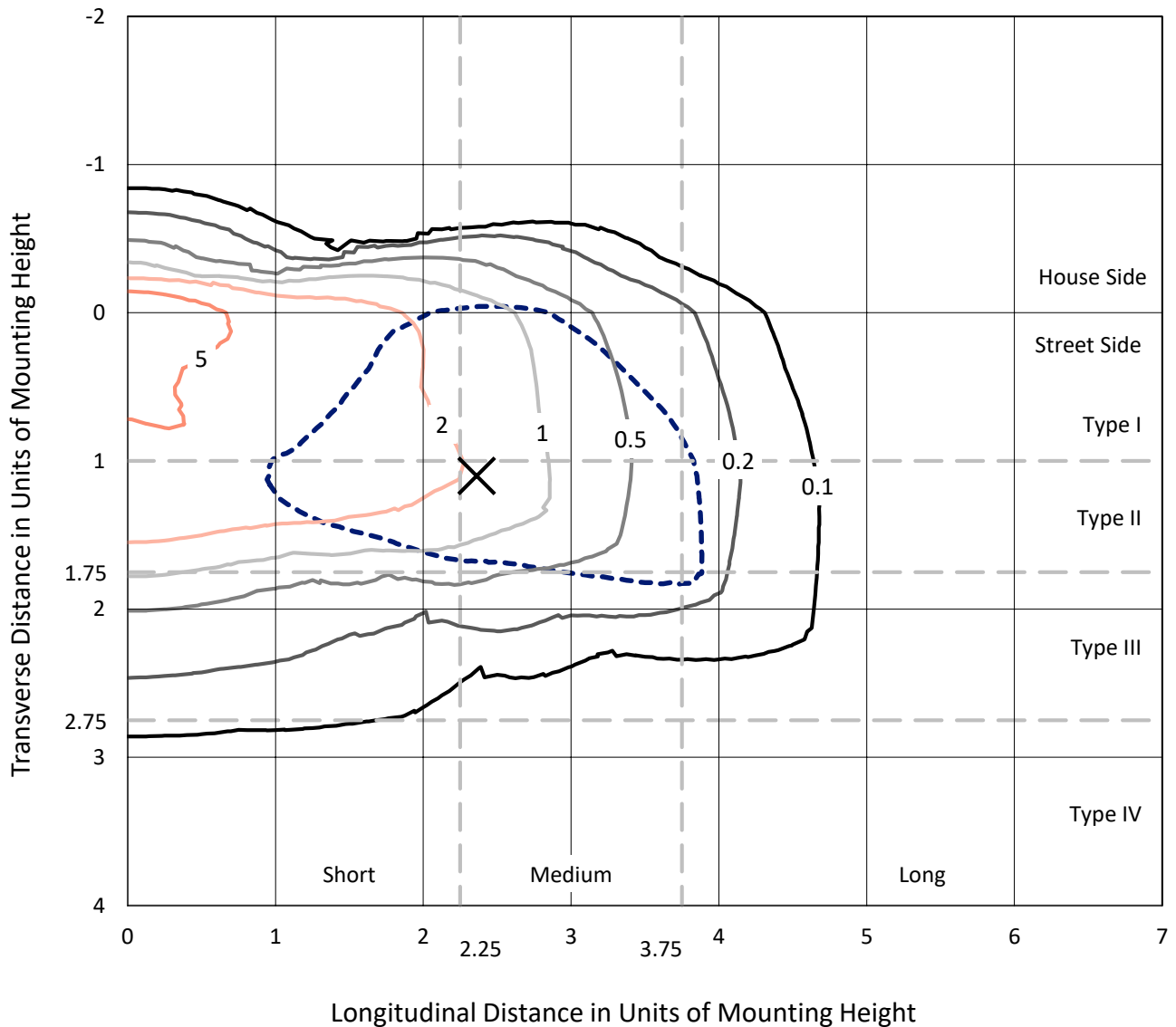
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

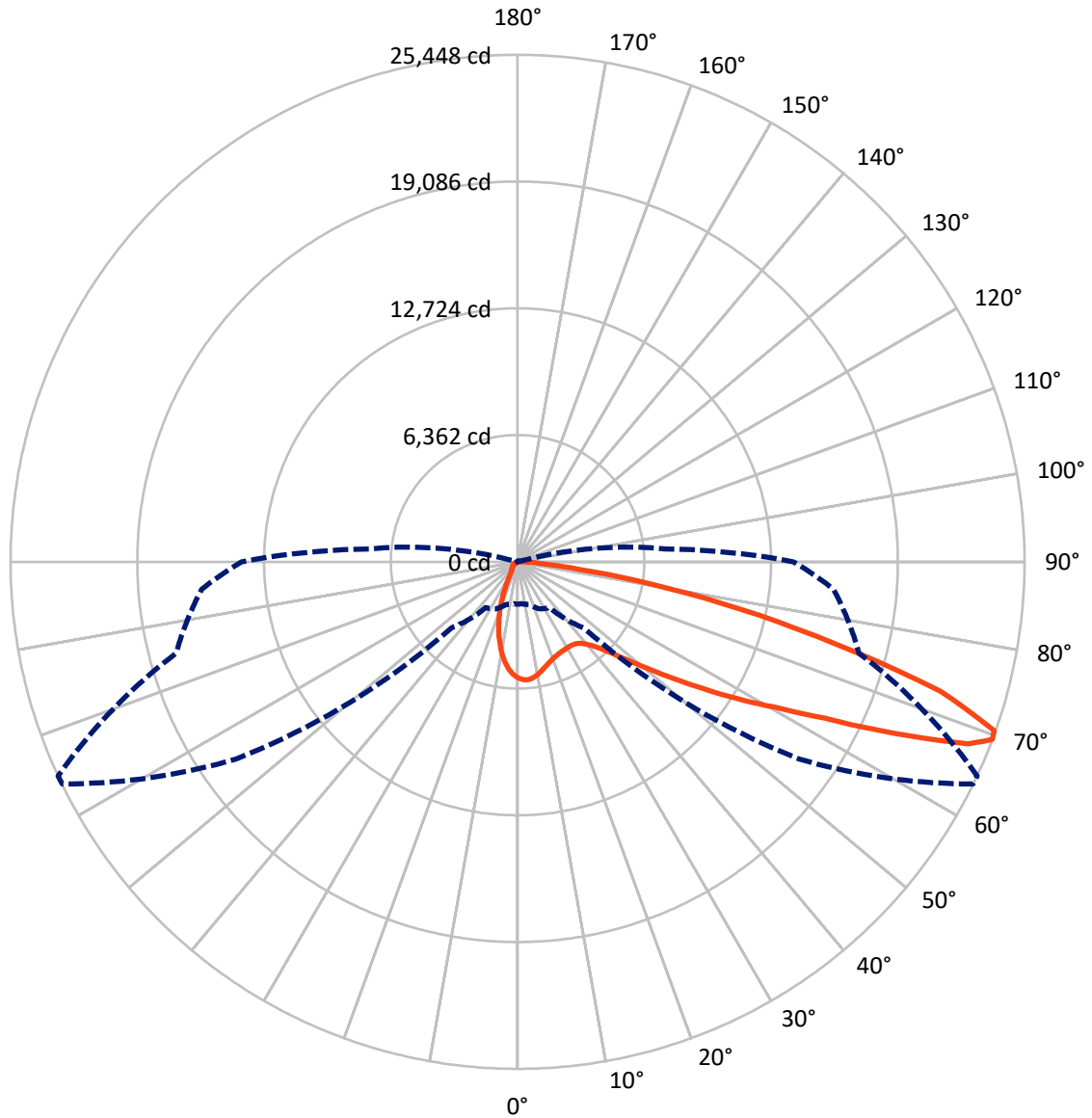
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2721.4	0.0	2721.4
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	20365.6	0.0	20365.6
	% Fixture	88.2	0.0	88.2
Total	Lumens	23087.0	0.0	23087.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	487.9	2.1
10°-20°	1067.9	4.6
20°-30°	1479.1	6.4
30°-40°	2062.4	8.9
40°-50°	3205.6	13.9
50°-60°	5146.3	22.3
60°-70°	5821.3	25.2
70°-80°	3418.9	14.8
80°-90°	397.7	1.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	23087.0	100.0
0°-180°	23087.0	100.0

Coefficient of Utilization

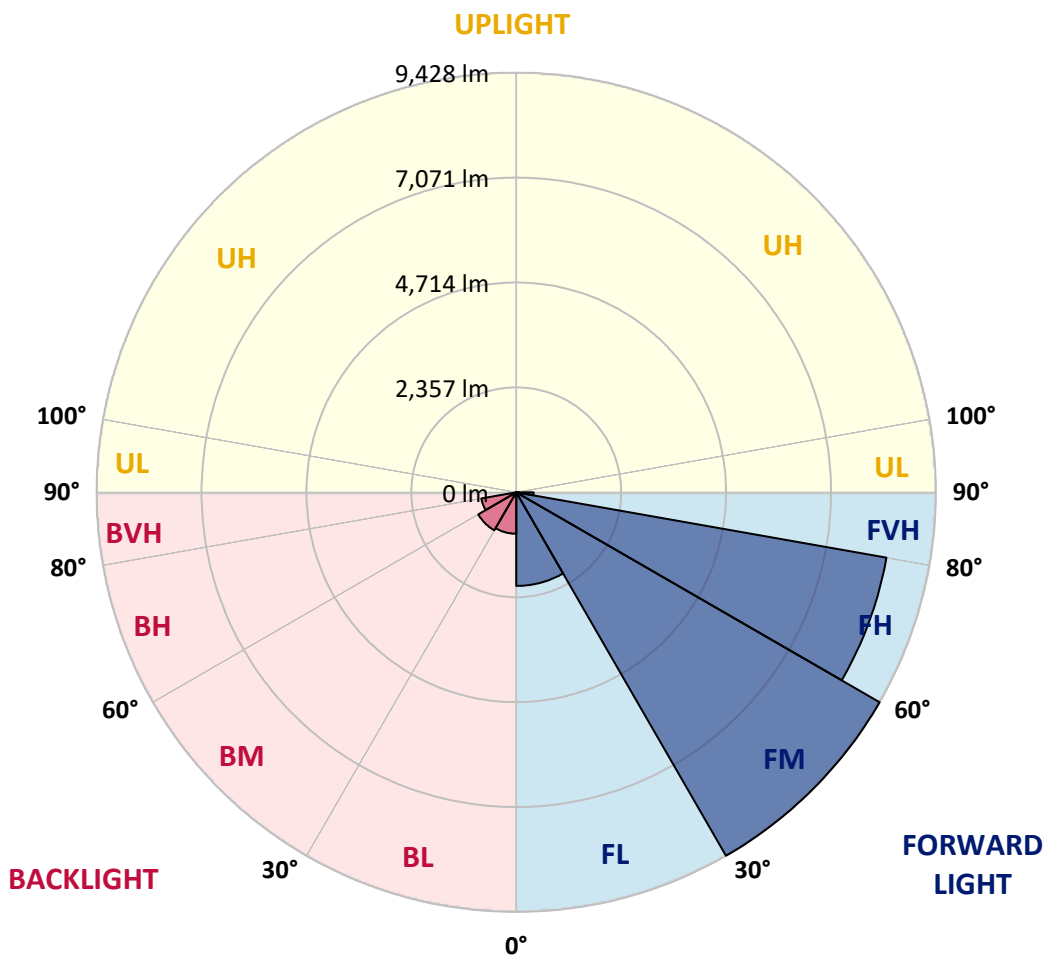


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2103.8	9.1			
FM (30°-60°)	9428.1	40.8			
FH (60°-80°)	8445.0	36.6			G4/12000
FVH (80°-90°)	388.8	1.7			G3/500
BL (0°-30°)	931.2	4.0	B2/1000		
BM (30°-60°)	986.2	4.3	B1/1000		
BH (60°-80°)	795.1	3.4	B2/1000		G2/1000
BVH (80°-90°)	8.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	5834.1	5834.1	5834.1	5834.1	5834.1	5834.1	5834.1	5834.1	5834.1	5834.1	5834.1
2.5°	5885.9	5871.2	5883.0	5908.4	5921.1	5921.1	5930.8	5919.1	5923.0	5894.7	5853.7
5°	5517.6	5495.1	5527.4	5598.7	5686.6	5761.8	5873.2	5931.8	5937.7	5938.7	5890.8
7.5°	5121.0	5100.5	5148.3	5232.3	5345.7	5485.4	5679.8	5849.8	5859.5	5951.4	5916.2
10°	4798.6	4783.9	4839.6	4929.5	5062.4	5218.7	5457.0	5693.4	5721.8	5925.0	5912.3
12.5°	4542.6	4530.9	4583.7	4687.2	4823.0	4995.9	5245.0	5519.6	5557.7	5865.4	5892.7
15°	4356.1	4354.1	4398.1	4497.7	4648.2	4809.3	5064.3	5358.4	5402.3	5800.9	5889.8
17.5°	4258.4	4261.3	4293.5	4378.5	4507.5	4667.7	4911.9	5222.6	5270.4	5743.3	5904.5
20°	4248.6	4251.5	4269.1	4317.0	4421.5	4563.2	4787.9	5108.3	5158.1	5700.3	5927.9
22.5°	4334.6	4332.6	4337.5	4332.6	4391.2	4498.7	4705.8	5020.4	5078.0	5672.0	5946.5
25°	4499.7	4496.7	4494.8	4458.6	4419.6	4477.2	4671.6	4970.5	5025.2	5651.4	5957.2
27.5°	4729.2	4727.3	4724.4	4664.8	4547.5	4511.4	4675.5	4952.0	4997.9	5634.8	5955.3
30°	5031.1	5044.8	5040.9	4957.8	4775.2	4615.9	4716.5	4942.2	4982.3	5602.6	5934.7
32.5°	5385.7	5413.1	5434.6	5345.7	5117.1	4823.0	4811.3	4952.9	4982.3	5578.2	5897.6
35°	5754.0	5789.2	5868.3	5837.1	5536.2	5134.7	4974.4	5017.4	5041.8	5591.9	5880.0
37.5°	6116.5	6158.5	6330.4	6421.3	6085.2	5546.9	5228.4	5176.7	5189.4	5674.9	5899.6
40°	6537.5	6601.0	6861.8	7008.4	6740.7	6098.9	5608.5	5450.2	5455.1	5857.6	5990.4
42.5°	7090.4	7155.9	7438.2	7667.8	7479.2	6796.4	6124.3	5868.3	5863.4	6199.5	6204.4
45°	7764.5	7832.9	8125.0	8380.0	8295.0	7622.9	6784.7	6478.9	6473.0	6738.7	6609.8
47.5°	8528.5	8595.9	8856.7	9119.5	9211.3	8588.0	7625.8	7312.2	7298.5	7488.0	7236.0
50°	9184.0	9227.9	9468.2	9821.9	10236.1	9774.0	8672.1	8370.2	8355.5	8483.5	8155.3
52.5°	9422.3	9447.7	9692.0	10187.3	11220.8	11380.1	10046.6	9657.8	9647.0	9702.7	9379.3
55°	8939.7	8985.6	9285.6	10020.2	11754.2	13195.2	11781.6	11252.1	11171.0	11050.8	10659.1
57.5°	7624.8	7698.1	8020.5	8997.4	11505.1	14635.1	14331.3	13055.5	12936.3	12201.6	11699.5
60°	5713.0	5802.9	6070.5	7124.6	10175.5	15148.0	17117.5	15065.0	14796.3	13118.0	12655.9
62.5°	3920.4	3965.3	4147.0	4833.8	7493.9	14307.9	19448.4	17756.4	17266.0	14114.4	13690.5
65°	2994.2	3009.9	3084.1	3320.5	4462.5	11622.3	20375.5	21307.5	20714.5	15306.3	14764.1
67.5°	2413.0	2400.3	2502.9	2840.9	2988.4	7090.4	19294.0	24667.1	24389.6	16899.6	15844.6
69°	2127.7	2110.1	2214.7	2607.4	2806.7	4687.2	17248.4	25430.0	25447.6	17740.7	15918.8
70°	1914.7	1926.5	2030.0	2468.7	2745.1	3679.1	15294.6	25235.6	25374.3	18055.3	15473.3
72.5°	1278.8	1310.0	1518.1	2049.6	2639.6	2784.2	9234.8	21655.2	22188.6	17347.0	13275.3
75°	721.0	744.4	991.6	1545.5	2487.2	2651.3	4877.7	15954.0	16469.8	14506.2	10237.1
77.5°	353.6	366.3	560.7	997.4	2079.8	2526.3	2766.6	10836.9	11426.0	9468.2	5790.2
80°	149.5	156.3	280.4	615.5	1486.9	2411.0	2054.4	6669.4	6742.7	3709.3	1542.5
82.5°	57.6	59.6	118.2	383.9	944.7	1879.6	1718.4	3162.3	3086.1	698.5	351.7
85°	6.8	7.8	43.0	230.6	525.6	967.1	1396.0	1362.8	1261.2	138.7	180.7
87.5°	0.0	0.0	2.9	70.3	156.3	453.3	725.8	565.6	509.9	44.9	93.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5834.1	5834.1	5834.1	5834.1	5834.1	5834.1	5834.1	5834.1	5834.1	5834.1	5834.1
2.5°	5819.5	5809.7	5756.9	5680.7	5608.5	5518.6	5432.6	5380.8	5339.8	5312.5	5344.7
5°	5835.1	5792.1	5631.9	5426.8	5225.5	4998.9	4787.9	4609.1	4538.7	4460.6	4495.8
7.5°	5830.2	5749.1	5460.9	5095.6	4726.3	4344.3	3982.9	3704.5	3559.9	3418.2	3454.4
10°	5805.8	5669.0	5232.3	4691.1	4138.2	3589.2	3076.3	2686.5	2468.7	2271.3	2299.7
12.5°	5752.1	5561.6	4962.7	4228.1	3488.6	2764.7	2163.9	1664.7	1397.0	1278.8	1293.4
15°	5719.8	5457.0	4677.5	3759.2	2794.9	1925.5	1322.7	983.8	861.6	822.6	827.4
17.5°	5704.2	5356.4	4382.4	3222.8	2085.7	1226.0	854.8	754.2	727.8	721.0	722.9
20°	5688.6	5254.8	4078.6	2692.4	1437.0	824.5	702.4	673.1	663.3	654.5	656.5
22.5°	5662.2	5157.1	3752.3	2155.1	969.1	669.2	633.0	604.7	584.2	573.4	575.4
25°	5630.0	5054.5	3419.2	1605.1	707.3	596.9	562.7	522.6	498.2	478.7	479.7
27.5°	5578.2	4928.5	3075.3	1168.4	594.0	534.4	488.5	444.5	403.5	381.0	381.0
30°	5505.9	4785.9	2693.3	836.2	532.4	472.8	417.1	362.4	318.5	298.0	296.0
32.5°	5425.8	4637.4	2307.5	634.0	483.6	415.2	351.7	294.1	255.0	238.4	237.4
35°	5357.4	4477.2	1922.6	531.4	434.7	359.5	290.1	241.3	210.0	196.4	195.4
37.5°	5313.4	4317.0	1547.4	474.8	390.8	307.7	243.3	199.3	176.8	166.1	165.1
40°	5306.6	4197.8	1204.5	431.8	349.7	261.8	203.2	169.0	148.5	136.8	135.8
42.5°	5395.5	4129.4	924.2	395.6	307.7	221.8	172.9	144.6	123.1	111.4	110.4
45°	5629.0	4150.9	711.2	363.4	265.7	187.6	146.5	120.2	100.6	91.8	89.9
47.5°	6054.9	4299.4	565.6	331.2	225.7	159.2	125.0	99.6	83.0	74.2	73.3
50°	6813.0	4648.2	472.8	296.0	188.5	135.8	103.6	81.1	67.4	59.6	58.6
52.5°	7819.2	5269.5	422.0	261.8	156.3	115.3	85.0	64.5	52.8	46.9	45.9
55°	8929.0	6021.7	388.8	224.7	128.0	95.7	67.4	50.8	41.0	36.1	34.2
57.5°	10012.4	6673.3	357.6	188.5	106.5	78.2	53.7	40.1	32.2	27.4	26.4
60°	11007.9	7272.1	321.4	151.4	86.9	61.5	42.0	31.3	25.4	20.5	20.5
62.5°	12073.7	7735.2	271.6	118.2	71.3	46.9	34.2	28.3	20.5	17.6	16.6
65°	13203.0	8079.1	213.0	91.8	55.7	35.2	28.3	29.3	16.6	12.7	11.7
67.5°	14037.3	8010.7	157.3	72.3	43.0	27.4	27.4	31.3	14.7	9.8	8.8
69°	13853.6	7454.8	131.9	62.5	37.1	23.4	25.4	31.3	13.7	8.8	7.8
70°	13321.2	6839.4	116.3	55.7	33.2	21.5	24.4	30.3	12.7	8.8	7.8
72.5°	11093.8	5151.3	90.9	42.0	26.4	17.6	20.5	26.4	12.7	8.8	6.8
75°	8344.8	3297.1	69.4	30.3	19.5	13.7	15.6	19.5	12.7	7.8	6.8
77.5°	4540.7	1188.9	49.8	20.5	13.7	10.7	10.7	14.7	11.7	5.9	3.9
80°	1167.4	298.9	31.3	13.7	10.7	7.8	6.8	9.8	6.8	1.0	0.0
82.5°	288.2	67.4	16.6	9.8	7.8	2.9	2.9	4.9	2.9	0.0	0.0
85°	158.3	33.2	10.7	6.8	3.9	0.0	0.0	1.0	0.0	0.0	0.0
87.5°	81.1	9.8	2.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)